

ABSTRACT:

A semi-closed air cooling type radiator includes a rectangular framed main body having four side walls connected on the corners by four cylindrical posts, a plurality of vertical radiation fins spacedly disposed on outer surface of the side walls, a plurality of diagonal partitions spacedly disposed inside the main body each having one end connected to the side wall and the other end being an indenture so as to form an air circulation system therein. A rectangular lid covers the top of the main body having a pair cylindrical tubes on opposing corners respectively communicating to the beginning and the end of the air circulation system, an air circulation set having a first air guiding pipe connected to the beginning and an air flow actuator and a second air guiding pipe connected between the end and an air vent. In an alternate arrangement on air circulation set can serve a series of radiators by increasing an additional air guiding pipe between the adjacent radiators.

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